

Claims

- 1 1. A side impact air bag curtain apparatus comprising:
2 an inflatable air bag adapted to be installed within a vehicle in a
3 stowed condition proximate the roof rail of a vehicle and when inflated
4 expands from the stowed condition to a deployed condition generally in
5 front of an adjacent side of the vehicle;
6 the air bag including a set of first air bag anchors fixedly
7 connected to a determinable set of fixed first vehicle anchors within the
8 vehicle, the air bag including at least one movable air bag anchor at an
9 end of the air bag; and
10 a force-directing member or guide fixedly mounted at a
11 determinable orientation within the vehicle and adapted to slidingly
12 receive and support the moving anchor, wherein upon inflation of the
13 air bag, the air bag moves to the deployed condition causing the
14 movable anchor to slide down the force-directing member so that upon
15 inflation of the air bag the movable anchor is self located in or near a
16 center of the force-directing member resisting any tendency of the
17 curtain to move or be moved upwardly.
- 1 2. The system as defined in Claim 1 wherein the force-directing
2 member includes a bent rod with the rod mounted such that the apex
3 of the rod tends to cause the second air bag anchor to self-center.
- 1 3. The system as defined in Claim 2 wherein the force-directing
2 member includes a positive locking portion.
- 1 4. The system as defined in Claim 1 wherein the force-directing
2 member includes an apex directed away from the air bag.

- 1 5. The system as defined in Claim 1 wherein the force-directing
- 2 member includes a shaped channel in an adjacent vehicle pillar.